



Tucson Police



Body Worn Cameras



Tucson Police Department

Lieutenant Tim Gilder

Officer Brett Kaczynski



“ Do You Need Body Worn Cameras?”



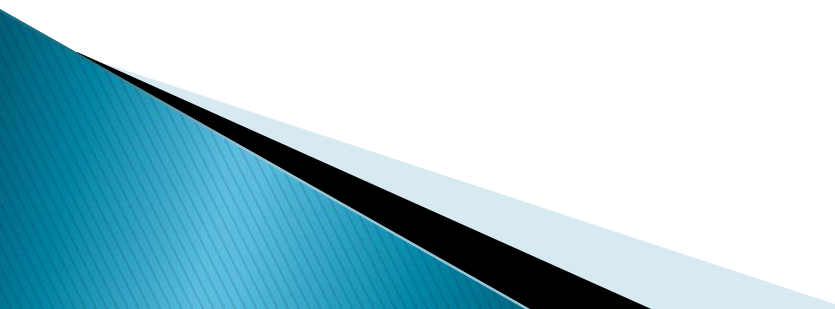
The Tucson PD chief decided he wanted the police department to explore the use of body worn cameras

Benefits of creating a BWC Program

Tangibles

- ▶ Reduction of citizen complaints – cost savings
- ▶ Reduction in the number of Use of Force situations
- ▶ Evidentiary strengthening of criminal cases
- ▶ Increased training opportunities
- ▶ Expediting resolution of complaints against the police
- ▶ Preserves audio and video evidence
- ▶ Validating or disputing eyewitness testimony

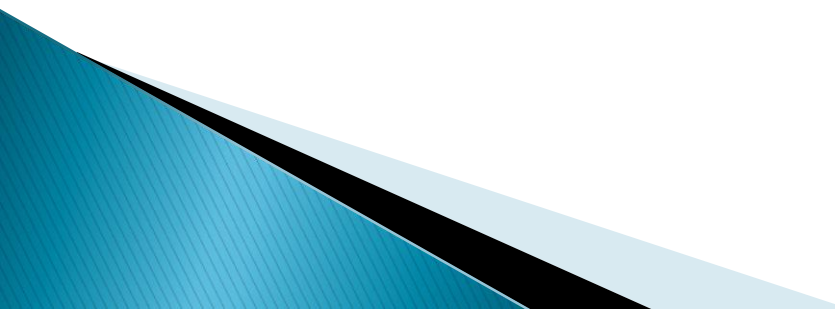
Intangibles

- ▶ Promoting transparency and trust to the public
 - ▶ Potential to improve police accountability and professionalism
 - ▶ Public may be less inclined to engage in inappropriate behavior on camera
- 

Downsides to Implementing a BWC Program

- ▶ Pay upfront for your own servers or pay secured cloud storage offered by vendor – both expensive
- ▶ Finding a suitable funding source to fund up front costs
- ▶ Redaction requests and staffing necessary to manage the requests
- ▶ Staffing to manage the program
- ▶ Overcoming privacy concerns

Note: PERF recommends agencies conduct a cost benefit analysis before deciding to create a BWC program.



Pilot Period



We used body worn cameras from one company for roughly four months to test them out

Pilot Period



And also for the 2014 NCAA basketball deployment

Research

| Model | TASER AXON Flex® www.taser.com | VIEU PVR-L2* www.vieu.com | StalkerVUE www.stalkerradar.com/ law_use.html | Scorpion Micro DV | Fin Vu www.digitalallync.com/ body-cameras.html | Walkcom 3rd Eye www.walkcomusa.com | MuView HD Series www.mphdata.com |
|-------------------------|-----------------------------------|------------------------------|---|-------------------|---|---------------------------------------|-------------------------------------|
| Placement/Format | Various | Chest | Chest | Various | Chest | Chest | Various |
| Max Video Resolution | 640x480 | 640x480 | 1280x720 | 640x480 | 640x480 | 1920x1080 | 1080p |
| Recording Speed | 30 fps | 30 fps | ** | 30 fps | 30 fps | 30 fps | ** |
| Recording Format | MPEG-4 | MPEG-4 | MPEG-4 | MPEG-4 | MPEG-4 | MPEG-4 | MOV |
| Still Photo Mode | No | No | Yes | Yes | Yes | Yes | Yes |
| Time/Date Stamp | ** | Embedded | ** | No | Metadata | Yes | ** |
| Field of View | 75° | 71° | ** | 72° | Wide | 120° | 160° |
| Night Mode | Low light | Low light | IR Lens | No | IR Lens | IR Lens | Yes |
| Playback Screen | Via phone | No | Yes | No | Yes | Yes | Yes |
| Audio/Format | Various | MP2 | Yes | Yes | Yes | AAC | Yes |
| Video Safeguards | Yes | Yes | No | No | Yes | Yes | No |
| 30 sec Pre-Event Record | Yes | No | No | No | Yes | No | No |
| Event Marking | Yes | No | No | No | Yes | No | No |
| Recording Life | 4 hrs | 4 hrs | 8 hrs | 4 hrs | 4 hrs | 5 hrs | 0.5/3 hrs |
| Standby | 12 hrs | 72 hrs | 400 hrs | 250 hrs | 12 hrs | ** | ** |
| Charge Time | 6 hrs | 3 hrs | 2 hrs | 2 hrs | ** | ** | 3 hrs |
| Battery Type | ** | Li-Ion | Lithium | ** | ** | ** | Li-Ion |
| Storage | ** | 4GB | 8 or 32GB | BGB | Variable | 32GB | 4/8 GB |
| GPS | Via phone | No | No | No | No | Yes | No |
| Dimensions*** | Multiple | 3x2.2x.75 | 3.8x2.5x.8 | 2.8x.85x.8 | 2.7x4.3x1 | ** | 3.3x2x.75 |
| Weight | 3.8 oz | 3.5 oz | 10 oz | 1.7 oz | ** | ** | ** |
| Environment Testing | MIL-STD 810F | IPX5 | ** | ** | IP55 | IP67, IPX3 | ** |
| Warranty | 1 yr, 90 days | 90 days | 1 year | ** | ** | ** | ** |
| Optional Video Software | Yes | Yes | ** | ** | Yes | ** | ** |
| Police Radio Interface | No | ** | ** | ** | ** | Yes | No |
| Vehicle Mountable | ** | Yes | ** | ** | ** | Yes | Yes |
| Approximate Price | \$1,000.00 | \$900.00 | \$800.00 | \$120.00 | \$800.00 | ** | \$119/\$249 |

* Also sold as CopVu or Coban VIEU

** Unspecified

*** Dimension in inches

At the time of publication, the Panasonic WV-TW310 was not available for comparison.

This market survey may not be fully comprehensive and all-inclusive. Many company websites host sample capture video.

What should an agency consider before implementation?

Policy/Training – An agency should develop policies and procedures for cameras, ensure the policies and procedures are in place, and officers are properly trained on the use prior purchase and use. These would outline when the camera can be/are required to be used, what the download requirements are and describe the limitations regarding recorded data.



Research



A Primer on

BODY-WORN CAMERAS FOR LAW ENFORCEMENT

September 2012

BODY-WORN CAMERAS FOR CRIMINAL JUSTICE: MARKET SURVEY

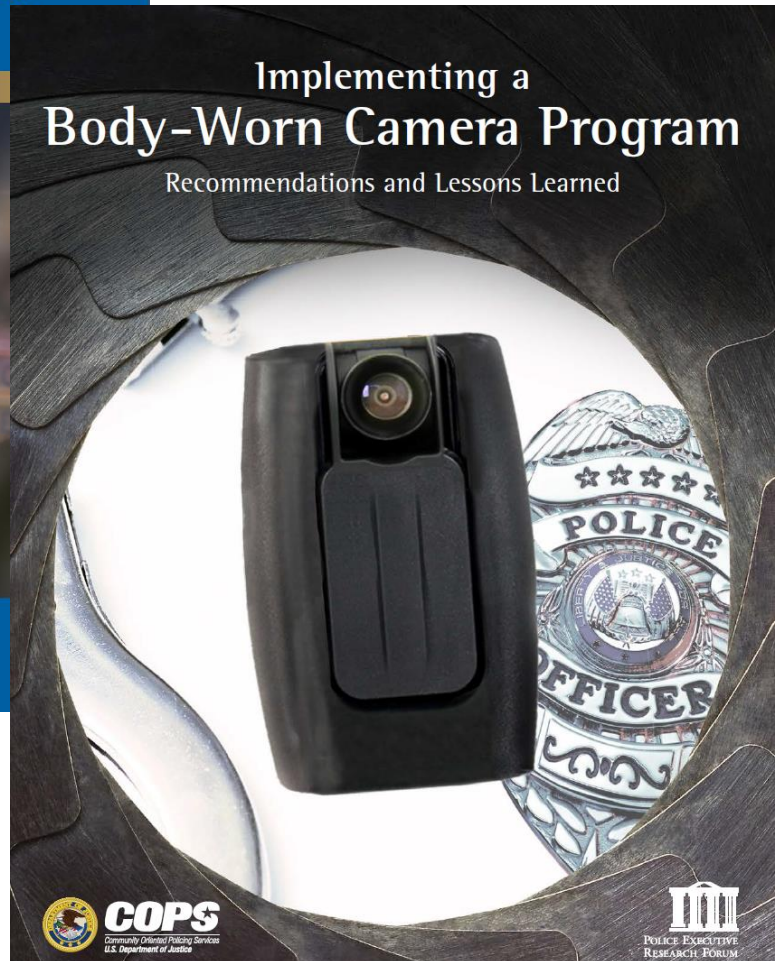
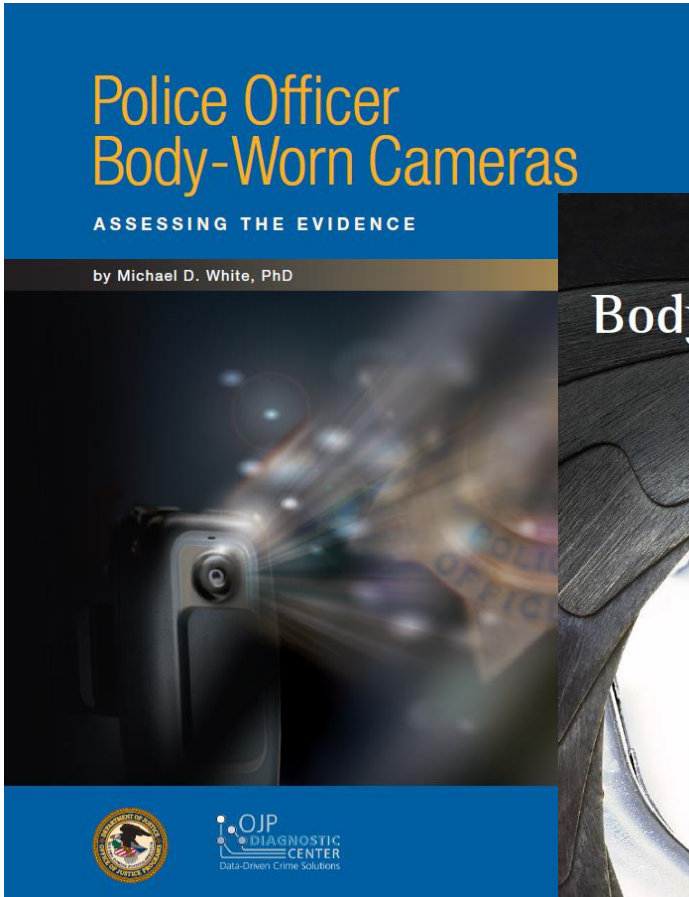
Version 1.0

March 2014



Available material for body worn camera programs was extremely limited

Research



Organizations like the Police Executive Research Forum (PERF) and the International Association of Chiefs of Police (IACP) and federal agencies such as DOJ's Office of Community Oriented Policing Services (COPS) and OJP's Diagnostic Center BJA and National Institute of Justice (NIJ) are all good sources

More Research



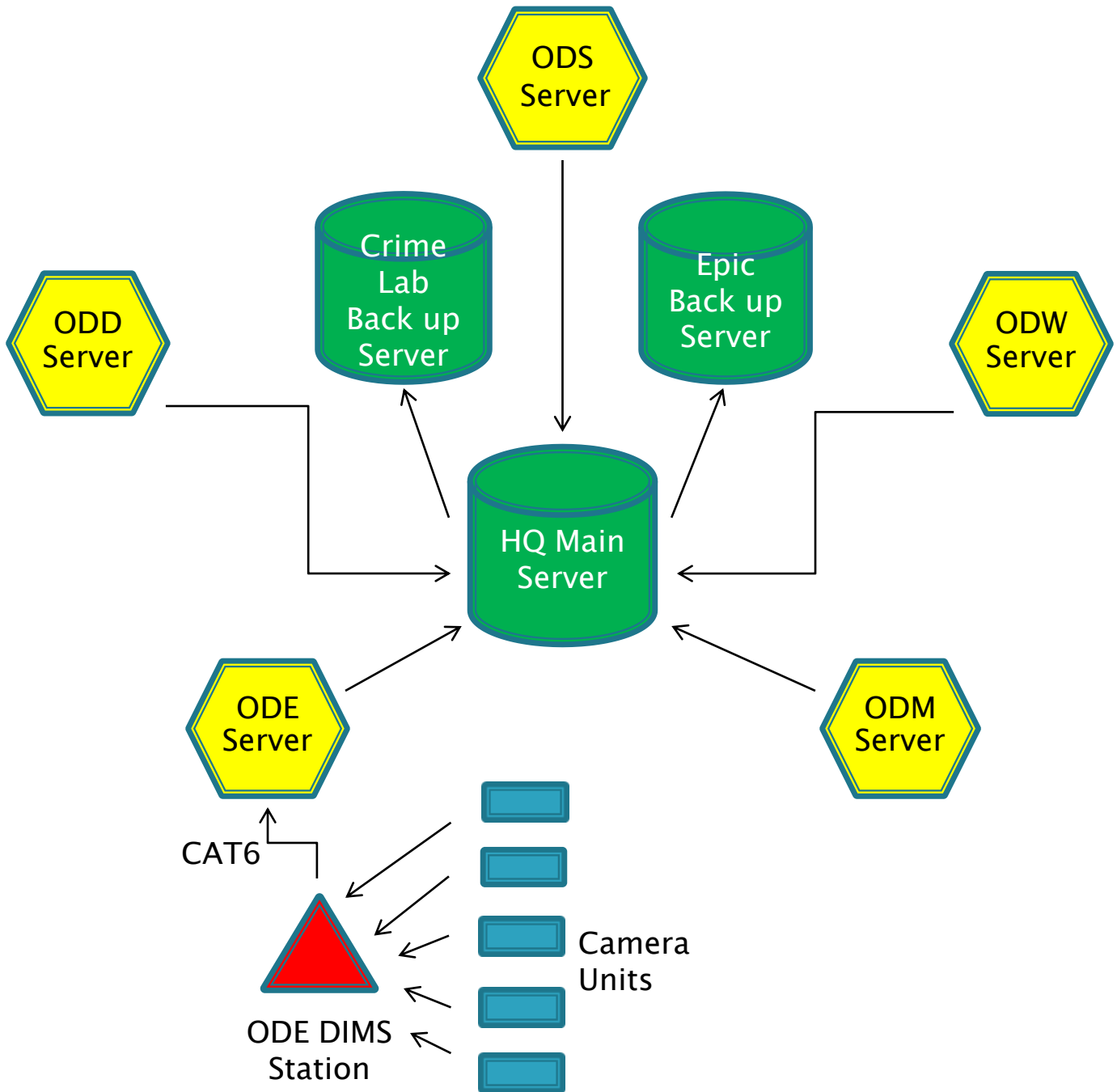
Talk to other agencies but be cautious as what works for them may not work for you

Data Storage

| FIELD PERSONNEL | | | | | | | | | |
|--|----------|-----------|-------|------------------------------|-------------------|--|--|--|--|
| | | | | 4GB of data per user per day | | | | | |
| DIVISION | OFFICERS | SERGEANTS | TOTAL | 60 DAY PURGE | 90 DAY PURGE | | | | |
| | | | | (36 working days) | (52 working days) | | | | |
| ODS | 95 | 12 | 107 | 15,408GB | 22,256GB | | | | |
| ODW | 92 | 12 | 104 | 16,992GB | 24,544GB | | | | |
| ODM | 102 | 12 | 114 | 16,416GB | 23,712GB | | | | |
| (FORCE) | 12 | 2 | 14 | 2,016GB | 2,912GB | | | | |
| ODE | 95 | 12 | 107 | 15,408GB | 22,256GB | | | | |
| ODD | 93 | 11 | 104 | 14,976GB | 21,632GB | | | | |
| | | | 550 | 79,200GB | 114,400GB | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| *Personnel represented include Patrol, PTU, Bikes, Walking, CRT, Zebra, CSO, and vacancies based on 2014 rosters | | | | | | | | | |

How much data will you use

Self Storage



The Procurement Process

CHECKLIST OF INFORMATION REQUIRED PRIOR TO ISSUING AN RFP
The following information shall be provided to the Department of Procurement by the customer Department:

- 1 PROVIDE BASIC PROJECT INFORMATION**
 - Project Title
 - Brief description of scope of services.
 - Term of the Contract
 - Number of contracts to be awarded and basis for awarding work under the contract (e.g. positional, rotational, etc).
 - Vendors/consultants that should receive notice of the RFP.
 - Identify potential additional users. This includes other City departments and surrounding agencies.
- 2 SCOPE OF WORK**
 - Introduction/Background
 - Statement of Work/Scope of Work
 - Basis for Compensation – How do we anticipate pricing the work?
 - Attachments (if applicable)
- 3 EVALUATION CRITERIA FOR THE RFP**
 - Provide suggestions for evaluation criteria including descriptions and recommended point allocations. Sample criteria are listed below:
 - Method of Approach
 - Qualifications and Experience of the Firm
 - Firm Resources (e.g. financial capacity, ability to respond).
 - Fee Proposal including the structure of the price page and how fee will be evaluated. Include additional information to be requested, such as a complete listing of costs included in the fee.
- 4 SPECIAL TERMS and CONDITIONS**
 - Make recommendations to address concerns (e.g. bonds, LD's, retention, ownership of work product, etc.)
- 5 EVALUATION COMMITTEE**
 - Include recommendations for selection committee members in accordance with City policy on Composition of Evaluation Committee. Provide name, address, telephone and fax numbers, and email address, if available, for each proposed member.
- 6 PURCHASE REQUISITION**

| RFP 100000 PLAN | | | | | |
|--------------------|--------------|-----------------------|------------|--|-------------------------------|
| PROJECT TITLE HERE | | | | | |
| PHASE | Target Dates | Real Time Projections | Task Done? | DESCRIPTION | RESPONSIBLE |
| Publication of | 7/11/14 | | ✓ | CO starts discussions with Dept on scope or starts revising Scope. Establish evaluation criteria and point allocation, pricing and committee members. Work through required approvals (I.T., Budget) and get approval. | Contract Officer & Department |
| | 8/15/14 | | | Department submits all information listed on Checklist of Information Required (see above) to Procurement. | Department |
| | 8/22/14 | | | CO reviews submitted Scope of Work and evaluation criteria, makes modifications as needed, assembles into RFP document. Department reviews and approves RFP draft. | Contract Officer |
| | | | | CO submits draft solicitation to Administrator for approval. May | Contract Officer |

Procurement created a timeline that helped keep the project on track for the acquisition

RFI

CITY OF TUCSON NOTICE OF REQUEST FOR INFORMATION

REQUEST FOR INFORMATION NUMBER: 140958
MATERIAL OR SERVICE: BODY WORN CAMERAS
REQUEST FOR INFORMATION DUE DATE: JANUARY 13, 2014 AT 4:00 P.M. LOCAL AZ TIME
REQUEST SUBMITTAL LOCATION: Department of Procurement
255 W. Alameda, 6th Floor Lobby
Tucson, AZ 85701
CONTACT INFORMATION: Nathan Daou, CPPB, C.P.M., A.P.P.
(520) 837-4136
Nathan.Daou@tucsonaz.gov


Request for Information must be submitted in a sealed envelope with the Request for Information number and the offeror's name and address clearly indicated on the envelope. Questions must be addressed to the Contract Officer listed above.

ND/jm

ISSUE DATE: DECEMBER 20, 2013

THIS REQUEST FOR INFORMATION IS OFFERED BY: _____

A Request for Information was put out by the city's procurement office to get any interested companies to send info about their products



RFP

CITY OF TUCSON REQUEST FOR PROPOSAL

REQUEST FOR PROPOSAL NUMBER: 151089
PROPOSAL DUE DATE: OCTOBER 20, 2014 AT 4:00 P.M. LOCAL AZ TIME
PROPOSAL SUBMITTAL LOCATION: Department of Procurement
255 W. Alameda, 6th Floor, Tucson, AZ 85701
MATERIAL OR SERVICE: BODY WORN CAMERAS AND STORAGE SYSTEM

PRE-PROPOSAL CONFERENCE DATE: OCTOBER 3, 2014
TIME: 9:00 A.M., LOCAL AZ TIME
LOCATION: CITY HALL, PROCUREMENT CONFERENCE RM.
255 W. ALAMEDA, 6TH FL. TUCSON, AZ

CONTRACT OFFICER: GILLIAN B. NEEDHAM
TELEPHONE NUMBER: (520) 837-4132
GILLIAN.NEEDHAM@tucsonaz.gov

A copy of this solicitation and possible future amendments may be obtained from our Internet site at: <http://www.tucsonprocurement.com/> by selecting the Bid Opportunities link and the associated solicitation number. The City does not mail out Notices of available solicitations via the U.S. Postal Service. Email notifications are sent to those interested offerors who are registered with us and who have selected email as their preferred delivery method. To register, please visit www.tucsonprocurement.com, click on Vendors, then click on Vendor Registration. To update an existing record, click on Vendors, click on What's New?, and read the section titled "Notice of Solicitations." You may also call (520) 791-4217 if you have questions.

Competitive sealed proposals for the specified material or service shall be received by the Department of Procurement, 255 W. Alameda, 6th Floor, Tucson, Arizona 85701, until the date and time cited.

Proposals must be in the actual possession of the Department of Procurement at the location indicated, on or prior to the exact date and time indicated above. Late proposals shall not be considered. The prevailing clock shall be the City Department of Procurement clock.

Proposals must be submitted in a sealed envelope. The Request for Proposal number and the offeror's name and address should be clearly indicated on the outside of the envelope. All proposals must be completed in ink or typewritten. Questions must be addressed to the Contract Officer listed above.

****ALERT****

The City of Tucson has implemented additional security procedures in City Hall. All visitors will be required to enter only through the north side doors facing Alameda Street. When attending a meeting or delivering a solicitation response to City Hall, please allow ample time to go through the security screening process.

Visitors will be required to do the following:

- Pass through metal detectors / security wands;
- Purses and bags will be searched by security personnel;
- Obtain a visitor's pass.

GN/cq

Updated 03/2014

The Request for Proposal was published when
the purchase of body worn cameras was
officially approved

Choose A Product

Axon Body/Flex

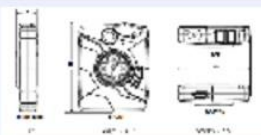
Specifications

| | |
|--|--|
| Operating temperature range | -4 °F to 122 °F (-20 °C to 50 °C) |
| Storage temperature range ¹ | -4 °F to 95 °F (-20 °C to 35 °C) |
| Charging temperature range | 41 °F to 95 °F (5 °C to 35 °C) |
| Humidity | 80 percent non-condensing, with holster plug inserted. |
| Video Sensor Settings | 30FPS |
| Video Resolution | 640 x 480 VGA video resolution. |
| Record time | Approximately 4 hours video storage under highest quality recording settings; up to 9 hours storage under medium quality recording settings, and up to 13 hours storage available at lowest quality recording setting. |
| Battery | Rechargeable lithium-ion battery. 2300 mAh capacity. ^{2,3} More than 12 hours of battery life under normal operation. ⁴ |


Features

| |
|--|
| EVENT button to start recording and return to buffering ⁵ |
| On/Off slide switch to power the device. |
| Battery button and LED to indicate remaining battery capacity. |
| Operation LED on the top of the housing indicates camera status. |
| Several holster mounts are available. |
| Configurable bit rate (multiple settings to optimize file size and upload speed). |
| Full color audiovisual camera. |
| 120 ° field of view camera lens. |
| Refine Low-Light capability less than 1 lux. |
| Playback via TASER software applications. |
| Data stored in the device is protected by TASER proprietary security features. |
| GPS tagging and streaming capability available through Android™ and iOS AXONE Mobile applications via Bluetooth® technology. |

Physical Characteristics^{6,7}

| | |
|---|---|
| Body Camera Dimensions (L x W x H) Weight: 3.3 oz (93 grams) |  |
|---|---|

Physical Characteristics

| | |
|--|---|
| FLEX Camera Dimensions (L x W x H) Weight: 16 grams |  |
| FLEX Controller Dimensions (L x W x H) Weight: 80 grams |  |
| Weather Resistant | IPX2-MIL-STD 883C Method 506.4 procedure 1 (rain & blowing) |
| Refine Low Light Capability | ≤1 lux |
| Configurable A/V Settings | Bit rate (multiple settings to optimize file size and upload speed) Audio – on/off |
| Video Sensor Settings | 30FPS |
| Video Resolution | 640 x 480 |
| Server configurable | EVIDENCE.com connected or local download |
| Field of view | 75 degrees |
| Record time | 4 hours |
| 12+ hour Pre-event buffer | Captures previous 30 seconds from start with no audio |
| Battery stand by time in buffering | 12+ hours |
| Recharge time | Fully depleted battery = 6 hours |
| Power activation | Slide switch on battery |
| Record activation | Push button – double-press to start recording, 3-second hold to end recording |
| Volume Control | 4 step momentary press |
| Video playback | Via phone application or MDT application |
| GPS coordinates | Via phone application |
| Operating temperature | -20 to +50 degrees C |
| Drop test | 6 feet |
| Humidity | 80% non condensing |
| Manufacturer's Warranty (DVR/Battery) | 1 year on DVR, accessories 90 days |



Funding



Justice Assistance Grant Program

A Byrne JAG grant was secured for the purchase of body worn cameras

Funding

OMB No. 1121-0329
Approval Expires 07/31/2016

U.S. Department of Justice
Office of Justice Programs
Bureau of Justice Assistance



The [U.S. Department of Justice](#) (DOJ), [Office of Justice Programs](#) (OJP), [Bureau of Justice Assistance](#) (BJA) is seeking applications for the FY 2016 Body-Worn Camera Policy and Implementation Program. This program furthers the Department's mission by supporting the safe and fair administration of justice. Agencies with fewer than 25 sworn officers should apply under the [Small Agency Body-Worn Camera Policy and Implementation Program](#).

Body-Worn Camera Policy and Implementation Program (More than 25 Officers) FY 2016 Competitive Grant Announcement

Applications Due: April 27, 2016

Eligibility

Eligible applicants are limited to public agencies of state government, units of local government, and federally recognized Indian tribal governments that perform law enforcement functions (as determined by the Secretary of the Interior); or any department, agency, or instrumentality of the foregoing that performs criminal justice functions (including combinations of the preceding, one of which is designated as the primary applicant).

To ensure this program can assist as many law enforcement agencies as possible, applicants that were awarded funds under the 2015 Body-Worn Camera Pilot Implementation Program or the 2015 Smart Policing Body Worn Camera Initiative solicitation are not eligible for funding under this solicitation.

If clarification as to an entity's eligibility is needed, applicants are encouraged to contact BJA to confirm their eligibility before developing a full application. BJA will consider supporting documentation relevant to a determination of eligibility.

Eligible applicants for this announcement are limited to agencies with more than 25 sworn law enforcement officers who are applying for 25 or more cameras.

Deadline

Applicants must register with [Grants.gov](#) prior to submitting an application. All applications are due to be submitted and in receipt of a successful validation message in Grants.gov by 11:59 p.m. eastern time on April 27, 2016.

2

BJA-2016-9199

We are currently working on acquiring more grant funding to expand the program

Policy

| | | |
|--|---|---|
| TUCSON POLICE DEPARTMENT GENERAL ORDERS |  | VOLUME 3 GENERAL OPERATING PROCEDURES |
| Revised: May 11, 2015 | | 3700 SPECIALIZED DEPARTMENT EQUIPMENT Issued May 2001 |

3760 BODY WORN CAMERA SYSTEM

3761 General

The Department will deploy body worn cameras (BWC) on designated members. The BWC system is intended to gather video information that will support the Department's mission by providing an accurate and unbiased record of Department actions. The use of video will reinforce the transparency of the Department's patrol operations and other programs. The recordings will document contact with citizens and enforcement action. The system is not intended to document contact between Department members, although some such recording may be unavoidable. All images, audio and information are the exclusive property of the Tucson Police Department.

3762 Authorized System

Members shall utilize only the BWC system authorized by the Tucson Police Department. The authorized system may include head, epaulette or chest mounted units. A docking station will upload data to off-site servers and recharges the units.

Our policy was based off of the in-car camera system policy and approved by legal and command

Training/Deployment

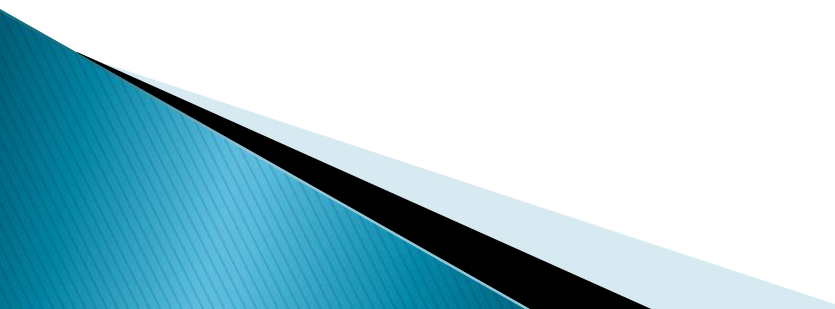


A deployment strategy was created and the officers who were assigned to wear the cameras received training from both the vendor and department

Retention Of Videos

| NAME | RETENTION DURATION |
|---------------------------|------------------------|
| Uncategorized | Until manually deleted |
| CAD | 180 Days |
| Civil/All other incidents | 5 Years |
| Felony | 109 Years |
| Misdemeanor | 25 Years |
| Pending Review | Until manually deleted |
| Petty Offense | 3 Years |
| Restricted (IA) | Until manually deleted |
| Restricted (Non IA) | Until manually deleted |
| Status Offense | 8 Years |
| Unmatched | Until manually deleted |

The retention schedule was decided by Legal and Records to utilize paper record standards



Handling Video Requests

Tucson Police Department Video Request Form

Items in **yellow** are required.

Select which video source you would like to request:

☒ MVR (In Car Camera) ☒ BWC (Body Worn Camera)

Requestor Information:

Agency:
PCAO

First Name:

Last Name:

Email:

Phone Number:

Non-Redacted Copies:
of copies

Redacted Copies:
of copies

Video Information:

Case/Event Number:

Incident Date:
MM DD YYYY

Incident Time:
HHMM

Officer PR:

Additional Officer

Vehicle Number:

Additional Vehicle

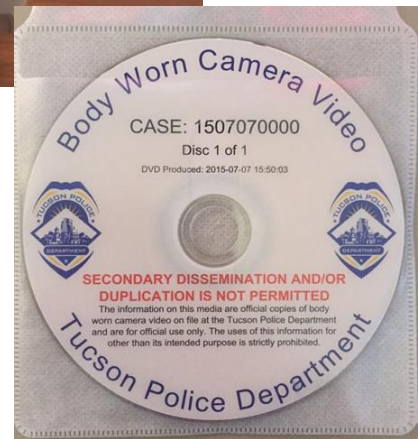
Special Instructions:

Any additional officer's videos associated to this case will be automatically added to this request.

SubmitReset

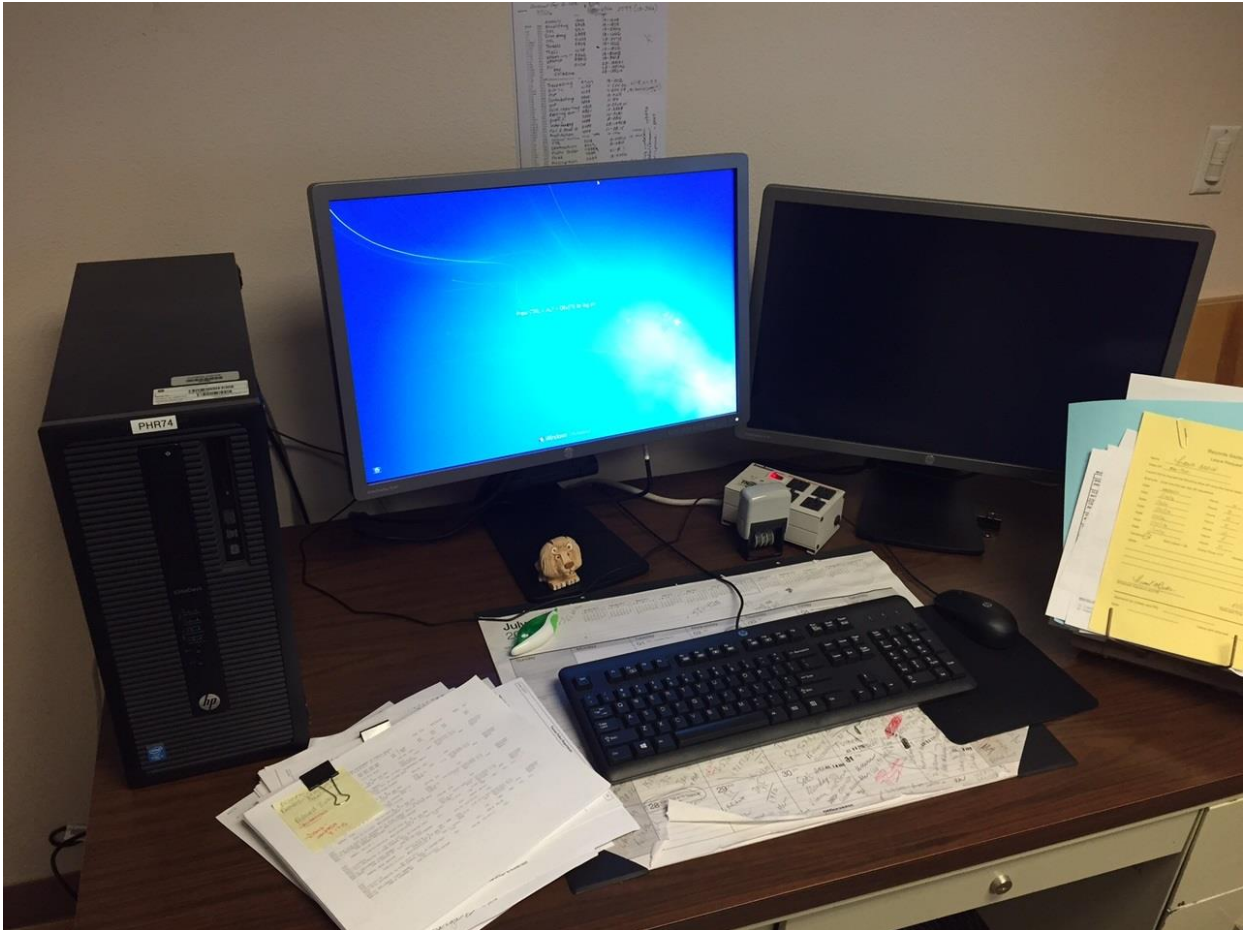
A webpage was created on the internal department network to handle requests for videos

Handling Video Requests



A disc producer was purchased to create videos for both public records requests and for use in court

Personnel



Records personnel deal with video requests
including redaction

Personnel

The screenshot shows a web application interface for device management. The top navigation bar includes links for EVIDENCE, CASES, DEVICES (highlighted), REPORTS, ADMIN, and HELP. A user profile for KACZYNSKI, BRETT (32266) is visible in the top right corner, indicating the user is logged in since 22 Aug 2016.

Below the navigation bar, there are tabs for ALL DEVICES, MY DEVICES, and BULK ASSIGNMENT. The main area contains search filters for SERIAL NUMBER, DEVICE NAME, ASSIGNED TO, LAST UPLOAD DATE FROM, LAST UPLOAD DATE TO, and MODEL. There are also dropdown menus for DEVICE STATUS (set to Active) and ERROR STATUS (set to Any). A blue SEARCH button is located below the filters.

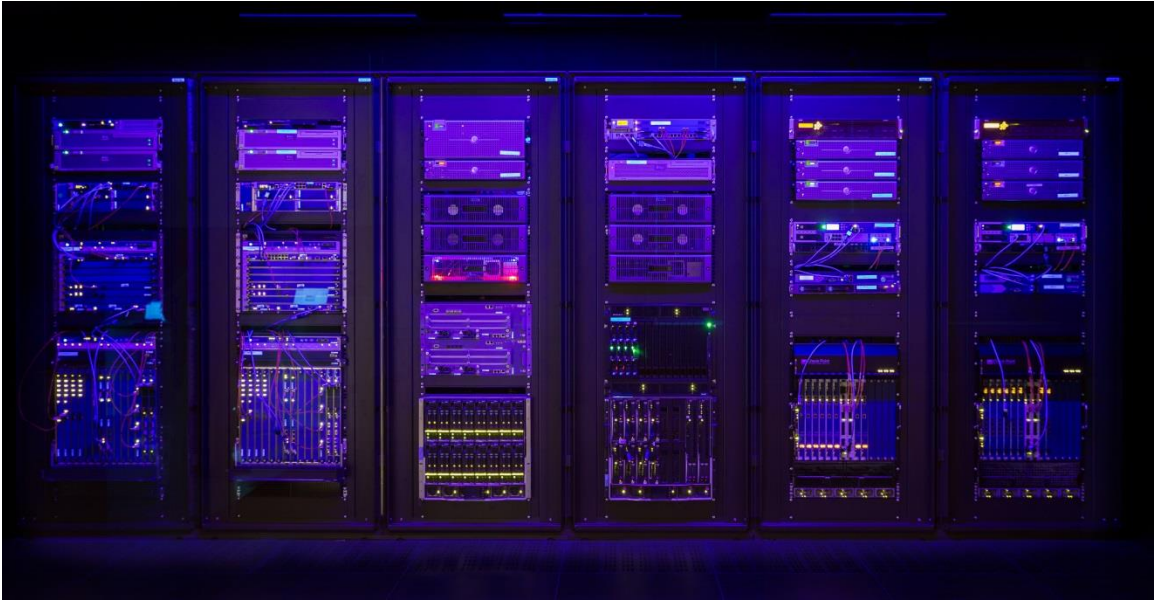
Below the search filters, a table displays the results of the search, showing 779 Records Found. The table has columns for MODEL, SERIAL NO., DEVICE NAME, DEVICE STATUS, ERROR STATUS, LAST UPLOAD, ASSIGNEE/LAST ISSUED, FIRMWARE, and WARRANTY.

| MODEL | SERIAL NO. | DEVICE NAME | DEVICE STATUS | ERROR STATUS | LAST UPLOAD | ASSIGNEE/LAST ISSUED | FIRMWARE | WARRANTY |
|-----------|------------|-------------|---------------|--------------|-------------|----------------------|------------------|-------------|
| Axon Body | x78046844 | X78046844 | Active | N/A | 22 Aug 2016 | Hoyte, Seth | Rev. 1.12.6-A59T | 22 Apr 2020 |
| Axon Body | x78046696 | X78046696 | Active | N/A | 22 Aug 2016 | Vines, Mark | Rev. 1.12.6-A59T | 22 Apr 2020 |
| Axon Body | x78054284 | X78054284 | Active | N/A | 22 Aug 2016 | Douglas, Jeff | Rev. 1.12.6-A59T | 22 Apr 2020 |

The background photograph shows a desk cluttered with various items, including several white boxes labeled 'TASER', a black printer, a black multi-bay device, a green marker, a blue pen, a yellow notepad, and several white cables. A cardboard box with the handwritten text '70033 Qty=8' is visible on the left side of the desk.

A program coordinator handles the overall needs of the program and day to day operations

Networks



The city doubled its bandwidth to accommodate the additional draw that would come for the upload of body worn cameras to an off site server

“Do We Need Body Worn Cameras”



Every agency will ask themselves this question
at some point

**All requests for body worn
camera video should be sent
to the Tucson Police
Department Records Section
520-791-4461**

